



















28. (Original) The system of claim 1 wherein the information stored in the memory correlates energy level information and corresponding output displacement, wherein the console reads the energy level information and drives the hand piece according to the corresponding output displacement.

29. (Currently Amended) The system of claim 1 wherein the information stored in the memory includes a nominal resonant frequency, a start sweep point and a stop sweep point delimiting a frequency range, wherein a frequency sweep in effect under control of the console is in the frequency range for detecting a resonant frequency for operating the hand piece.

30. (Currently Amended) The system of claim 1 wherein the information stored in the memory includes a nominal resonant frequency, a bias amount and a margin amount from which a frequency range is calculated, wherein a frequency sweep in effect under control of the console is in the frequency range for detecting a resonant frequency for operating the hand piece.

31. (Original) The system of claim 1 wherein the memory consists of an Electrically Erasable Programmable Read Only Memory (EEPROM), Read Only Memory (ROM), Erasable Programmable Read Only Memory (EPROM), Random Access Memory (RAM), Programmable Array Logic (PAL), Programmable Logic Array (PLA), analog serial storage device, sound storage integrated circuit, a memory device in conjunction with a numeric manipulation device including a microprocessor for the purpose of encryption, volatile memory which is powered by a device consisting of a cell, battery and capacitor.





38. (Original) The method of claim 34 further comprising the step of re-initializing the handicap limit and the disable limit based on varied operational conditions of the hand piece.

39. (Original) The method of claim 32 further comprising the steps of:  
determining whether a reprogram of the console is needed;  
reading a reprogram code stored in the memory and reprogramming the console using the reprogram code, if it is determined that a reprogram of the console is needed;  
determining whether an upgrade of the console is needed; and  
reading an upgrade code stored in the memory and upgrading the console using the upgrade code, if it is determined that an upgrade of the console is needed.

40. (Original) The method of claim 32 further comprising the steps of:  
reading energy level information stored in the memory; and  
driving the hand piece according to a corresponding output displacement;  
wherein the energy level information stored in the memory is correlated with corresponding output displacement for driving the hand piece.

41. (Original) The method of claim 32 further comprising the steps of:  
reading a nominal resonant frequency, a start sweep point and a stop sweep point delimiting a frequency range from the memory;  
effecting a frequency sweep in the frequency range; and

detecting a resonant frequency for operating the hand piece.

42. (Original) The method of claim 32 further comprising the steps of:

reading a nominal resonant frequency, a bias amount and a margin amount from the memory;

calculating a frequency range based on the nominal resonant frequency, the bias amount and the margin amount;

effecting a frequency sweep in the frequency range; and

detecting a resonant frequency for operating the hand piece.

43. (Currently Amended) The method of claim 32 further comprising the steps of:

keeping track of a number of uses ~~for~~ of the end-effector; and

keeping track of a number of remaining uses allowed for the end-effector.

44. (Currently Amended) A system for implementing surgical procedures comprising:

an ultrasonic surgical handpiece; ~~having~~

an end-effector connectable to said handpiece;

a generator console for controlling the handpiece, wherein the console sends a drive current to drive the handpiece, which drive current imparts ultrasonic longitudinal movement to the end-effector; and

